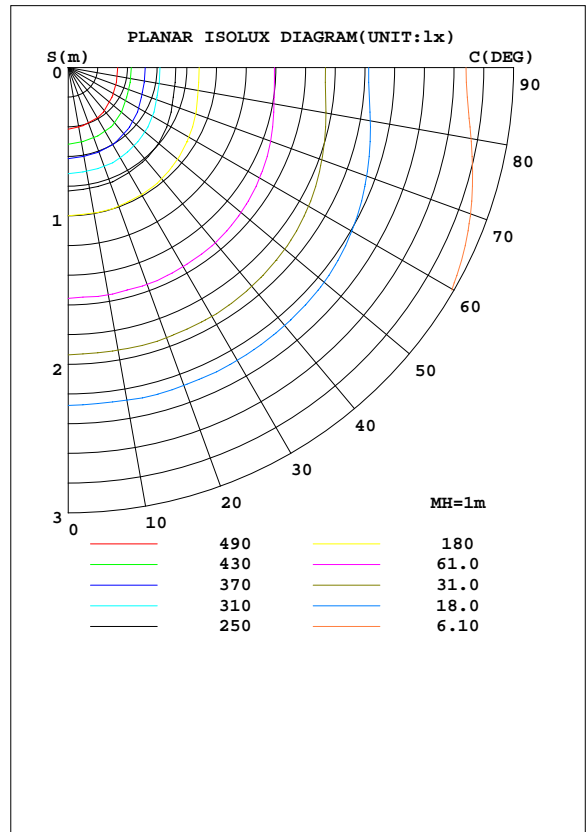
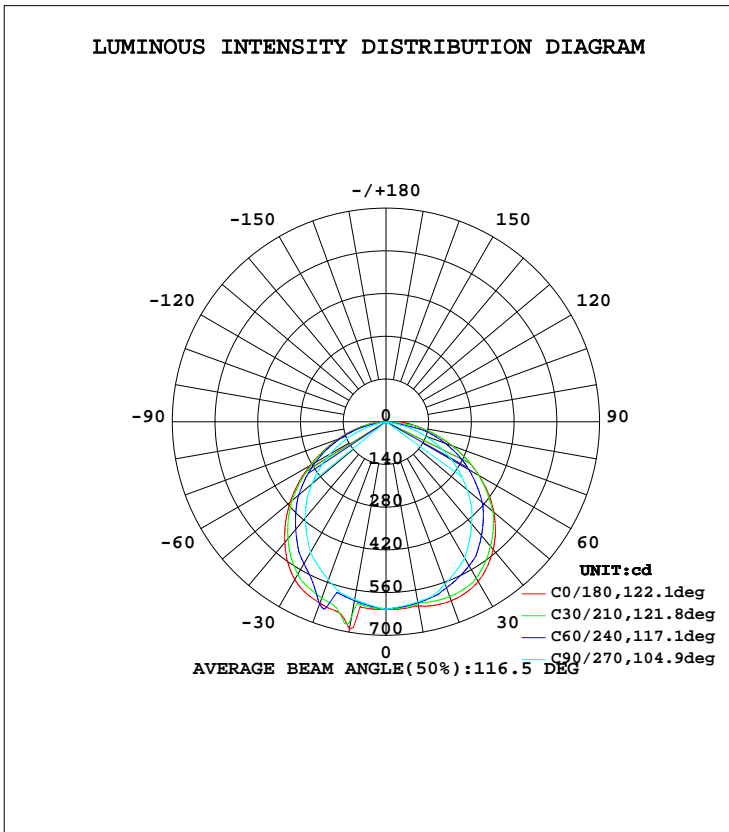


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:219.1V I:1.024A P:116.2W PF:0.5180 Lamp Flux:1871.4lx1 lm		
NAME: GLM-TPM-RGB-R+G+B-100W	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 16.10 lm/W			
MODEL		I <sub>max</sub> (cd)	691.0	S/MH(C0/180)	1.41
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.20
RATED VOLTAGE(V)	230.0	TOTAL FLUX(lm)	1871.4	η UP, DN(C0-180)	0.0,51.3
NOMINAL FLUX(lm)	1871.41	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0,48.7
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	230	η down(%)	100.0	CIBSE SHR MAX	1.50



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2018-08-10

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.290  
 Humidity:65.0%  
 Test Distance:7.500m [K=1.0000]  
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum, lamp
5	615.2	610.0	606.8	610.0	615.1	607.2	603.0	607.2	0- 5	14.61	14.61	0.78,0.78
10	613.4	603.4	599.3	603.3	691.0	597.7	591.6	597.9	5- 10	43.53	58.13	3.11,3.11
15	622.2	599.3	591.8	663.6	641.2	654.1	580.2	591.8	10- 15	72.81	130.9	7,7
20	624.3	600.7	566.5	622.5	633.0	610.3	551.7	590.6	15- 20	99.76	230.7	12.3,12.3
25	618.5	587.6	541.2	599.1	619.9	584.2	523.3	575.2	20- 25	123.9	354.6	18.9,18.9
30	604.5	569.1	515.9	572.1	597.3	554.8	494.9	554.5	25- 30	144.4	499.0	26.7,26.7
35	579.0	547.4	476.4	544.5	561.6	524.7	452.7	530.6	30- 35	160.5	659.6	35.2,35.2
40	546.5	520.7	436.9	511.5	516.2	489.7	410.6	501.2	35- 40	170.3	829.9	44.3,44.3
45	507.2	479.6	397.4	464.7	465.2	441.7	368.4	458.7	40- 45	174.4	1004	53.7,53.7
50	461.6	437.0	347.4	416.2	410.1	391.6	316.3	414.4	45- 50	172.4	1177	62.9,62.9
55	409.7	392.8	297.4	366.3	350.1	339.8	264.1	368.4	50- 55	163.5	1340	71.6,71.6
60	351.5	338.8	247.4	307.5	288.0	280.4	211.9	313.2	55- 60	149.0	1489	79.6,79.6
65	291.2	284.2	192.3	249.3	226.4	221.7	157.0	257.3	60- 65	129.6	1619	86.5,86.5
70	230.3	228.0	137.2	191.6	168.2	165.2	102.1	201.0	65- 70	106.0	1725	92.2,92.2
75	171.1	170.7	82.05	135.3	114.7	111.9	47.22	145.2	70- 75	79.39	1804	96.4,96.4
80	116.7	98.16	0	70.46	68.40	54.04	0	78.65	75- 80	48.36	1853	99,99
85	72.76	0	0	0	35.75	0	0	0	80- 85	15.78	1868	99.8,99.8
90	44.59	0	0	0	15.36	0	0	0	85- 90	2.979	1871	100,100
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			

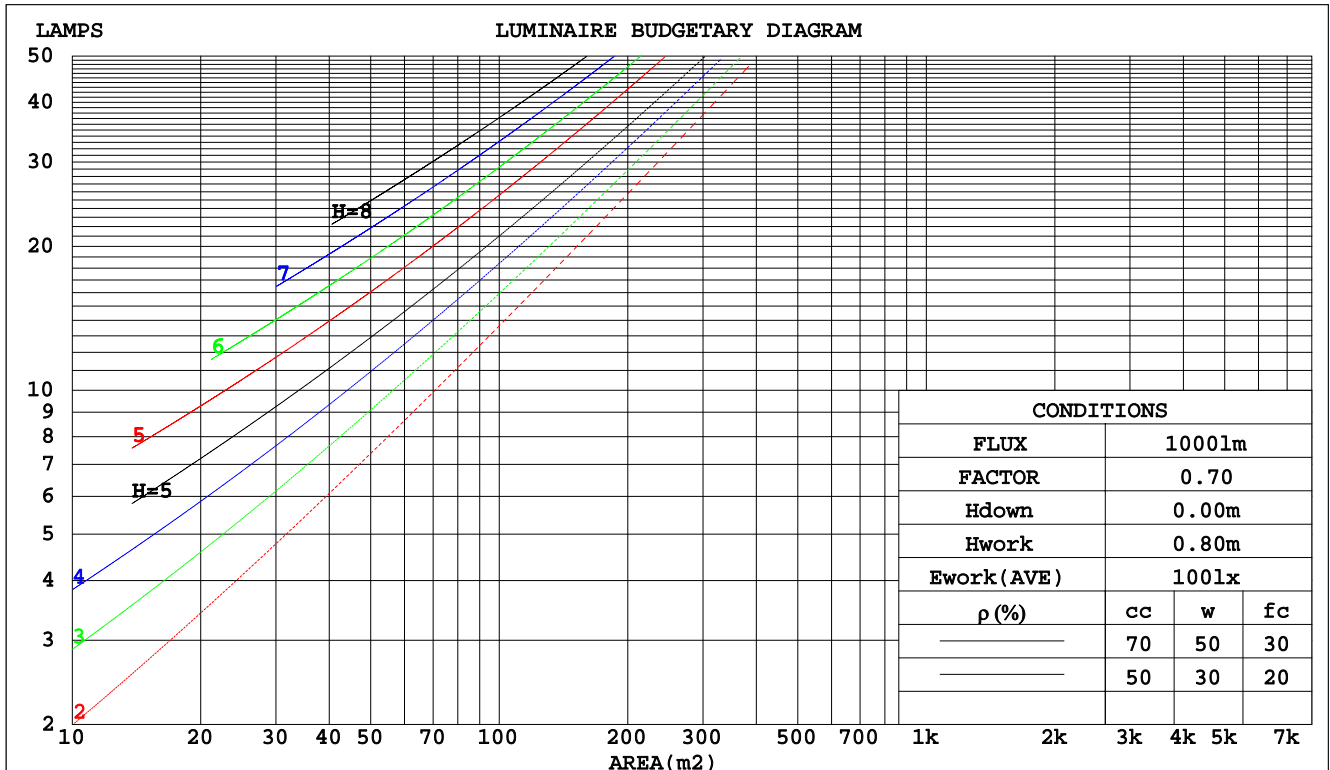
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2018-08-10

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.290  
 Humidity:65.0%  
 Test Distance:7.500m [K=1.0000]  
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:219.1V I:1.024A P:116.2W PF:0.5180 Lamp Flux:1871.41x1 lm		
NAME: GLM-TPM-RGB-R+G+B-100W	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:	PROTECTION ANGLE:

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pw																0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															
	Coefficients of Utilization(CU)															
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1.0	1.04	1.00	.96	1.02	.98	.95	.98	.95	.92	.94	.91	.89	.90	.88	.86	.84
2.0	.91	.84	.78	.89	.83	.77	.85	.80	.76	.82	.78	.74	.79	.75	.72	.70
3.0	.80	.71	.65	.78	.70	.64	.75	.69	.63	.72	.67	.62	.70	.65	.61	.59
4.0	.70	.62	.55	.69	.61	.54	.67	.59	.54	.64	.58	.53	.62	.57	.52	.50
5.0	.63	.54	.47	.62	.53	.47	.59	.52	.46	.58	.51	.46	.56	.50	.45	.43
6.0	.56	.47	.41	.55	.47	.41	.54	.46	.40	.52	.45	.40	.50	.44	.40	.38
7.0	.51	.42	.36	.50	.42	.36	.49	.41	.36	.47	.40	.35	.46	.40	.35	.33
8.0	.47	.38	.32	.46	.38	.32	.44	.37	.32	.43	.36	.32	.42	.36	.31	.29
9.0	.43	.34	.29	.42	.34	.29	.41	.34	.29	.40	.33	.28	.39	.33	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.26	.24



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2018-08-10

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.290  
 Humidity:65.0%  
 Test Distance:7.500m [K=1.0000]  
 Remarks:

WEC AND CCEC

Test:U:219.1V I:1.024A P:116.2W PF:0.5180 Lamp Flux:1871.41x1 lm		
NAME: GLM-TPM-RGB-R+G+B-100W	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:	PROTECTION ANGLE:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.302	.172	.054	.295	.168	.053	.281	.161	.052	.269	.155	.050	.258	.150	.048	
2.0	.288	.158	.048	.282	.155	.048	.270	.150	.047	.260	.146	.046	.250	.141	.045	
3.0	.268	.143	.043	.263	.141	.042	.253	.137	.042	.243	.133	.041	.234	.130	.040	
4.0	.249	.129	.038	.244	.128	.038	.235	.124	.037	.226	.121	.037	.218	.119	.036	
5.0	.230	.117	.034	.226	.116	.034	.218	.113	.033	.210	.111	.033	.203	.109	.033	
6.0	.214	.107	.031	.210	.106	.031	.203	.104	.030	.196	.102	.030	.190	.100	.030	
7.0	.199	.098	.028	.196	.098	.028	.189	.096	.028	.183	.094	.027	.177	.092	.027	
8.0	.186	.091	.026	.183	.090	.025	.177	.089	.025	.172	.087	.025	.167	.086	.025	
9.0	.174	.084	.024	.172	.084	.023	.167	.082	.023	.162	.081	.023	.157	.080	.023	
10.0	.164	.079	.022	.162	.078	.022	.157	.077	.022	.152	.076	.022	.148	.075	.021	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.180	.156	.135	.154	.134	.116	.105	.092	.080	.061	.053	.047	.019	.017	.015	
2.0	.172	.132	.098	.147	.114	.085	.101	.079	.059	.058	.046	.035	.019	.015	.011	
3.0	.164	.114	.075	.141	.099	.065	.097	.068	.045	.056	.040	.027	.018	.013	.009	
4.0	.157	.101	.058	.134	.087	.051	.092	.061	.036	.053	.036	.021	.017	.012	.007	
5.0	.149	.091	.047	.128	.078	.041	.088	.055	.029	.051	.032	.017	.016	.010	.006	
6.0	.142	.082	.039	.122	.071	.034	.084	.050	.024	.049	.029	.014	.016	.010	.005	
7.0	.136	.075	.033	.117	.065	.029	.081	.046	.020	.047	.027	.012	.015	.009	.004	
8.0	.129	.070	.029	.111	.060	.025	.077	.042	.018	.045	.025	.011	.014	.008	.003	
9.0	.123	.065	.025	.106	.056	.022	.073	.039	.016	.043	.023	.009	.014	.008	.003	
10.0	.117	.060	.022	.101	.052	.020	.070	.037	.014	.041	.022	.008	.013	.007	.003	

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2018-08-10

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.290  
 Humidity:65.0%  
 Test Distance:7.500m [K=1.0000]  
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:219.1V I:1.024A P:116.2W PF:0.5180 Lamp Flux:1871.4lx1 lm		
NAME: GLM-TPM-RGB-R+G+B-100W	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:	PROTECTION ANGLE:

ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	16.4	17.9	16.7	18.1	18.3	15.1	16.6	15.3	16.8	17.0
3H	18.1	19.5	18.4	19.7	20.0	16.3	17.7	16.6	18.0	18.2
4H	18.8	20.1	19.1	20.4	20.6	16.7	18.1	17.0	18.3	18.6
6H	19.3	20.6	19.7	20.9	21.2	16.7	18.0	17.1	18.3	18.5
8H	19.5	20.8	19.9	21.0	21.3	16.7	17.9	17.0	18.2	18.5
12H	19.8	20.9	20.1	21.2	21.5	16.6	17.8	17.0	18.1	18.4
4H 2H	17.0	18.3	17.3	18.6	18.9	16.0	17.4	16.3	17.6	17.9
3H	18.9	20.1	19.3	20.4	20.7	17.6	18.8	17.9	19.1	19.4
4H	19.8	20.8	20.1	21.2	21.5	18.2	19.2	18.5	19.6	19.9
6H	20.4	21.4	20.8	21.7	22.1	18.2	19.2	18.6	19.5	19.9
8H	20.7	21.6	21.1	21.9	22.3	18.2	19.1	18.6	19.4	19.8
12H	21.0	21.8	21.4	22.2	22.6	18.1	18.9	18.6	19.3	19.7
8H 4H	20.1	21.0	20.5	21.3	21.7	18.7	19.6	19.1	20.0	20.4
6H	20.9	21.7	21.4	22.1	22.5	18.9	19.6	19.3	20.0	20.4
8H	21.3	22.0	21.8	22.4	22.9	18.8	19.5	19.3	19.9	20.3
12H	21.7	22.3	22.2	22.7	23.2	18.8	19.3	19.3	19.8	20.3
12H 4H	20.1	20.9	20.5	21.3	21.7	18.8	19.6	19.2	20.0	20.4
6H	20.9	21.6	21.4	22.0	22.5	19.0	19.6	19.4	20.0	20.5
8H	21.4	21.9	21.8	22.4	22.8	18.9	19.5	19.4	19.9	20.4
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.4 / - 0.7				

CIE Pub.117 Corrected 1871 lm Total Lamp Luminous Flux.(8log(F/F0) = 2.2)

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2018-08-10

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.290  
 Humidity:65.0%  
 Test Distance:7.500m [K=1.0000]  
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:219.1V I:1.024A P:116.2W PF:0.5180 Lamp Flux:1871.41x1 lm		
NAME: GLM-TPM-RGB-R+G+B-100W	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:	PROTECTION ANGLE:

REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	57	46	39	57	45	39	55	45	38	32
0.80	67	56	48	66	55	48	65	55	48	41
1.00	76	65	58	75	64	57	73	66	57	50
1.25	83	73	66	82	72	65	79	71	64	57
1.50	88	78	71	87	78	71	84	76	70	62
2.00	95	87	80	93	86	80	90	83	78	70
2.50	99	91	86	97	90	85	93	87	83	75
3.00	103	96	90	100	94	89	96	91	87	79
4.00	107	101	96	104	99	95	100	96	92	84
5.00	109	104	100	107	102	99	102	99	96	87
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2018-08-10

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.290  
 Humidity:65.0%  
 Test Distance:7.500m [K=1.0000]  
 Remarks:

**ISOCANDELA DIAGRAM**

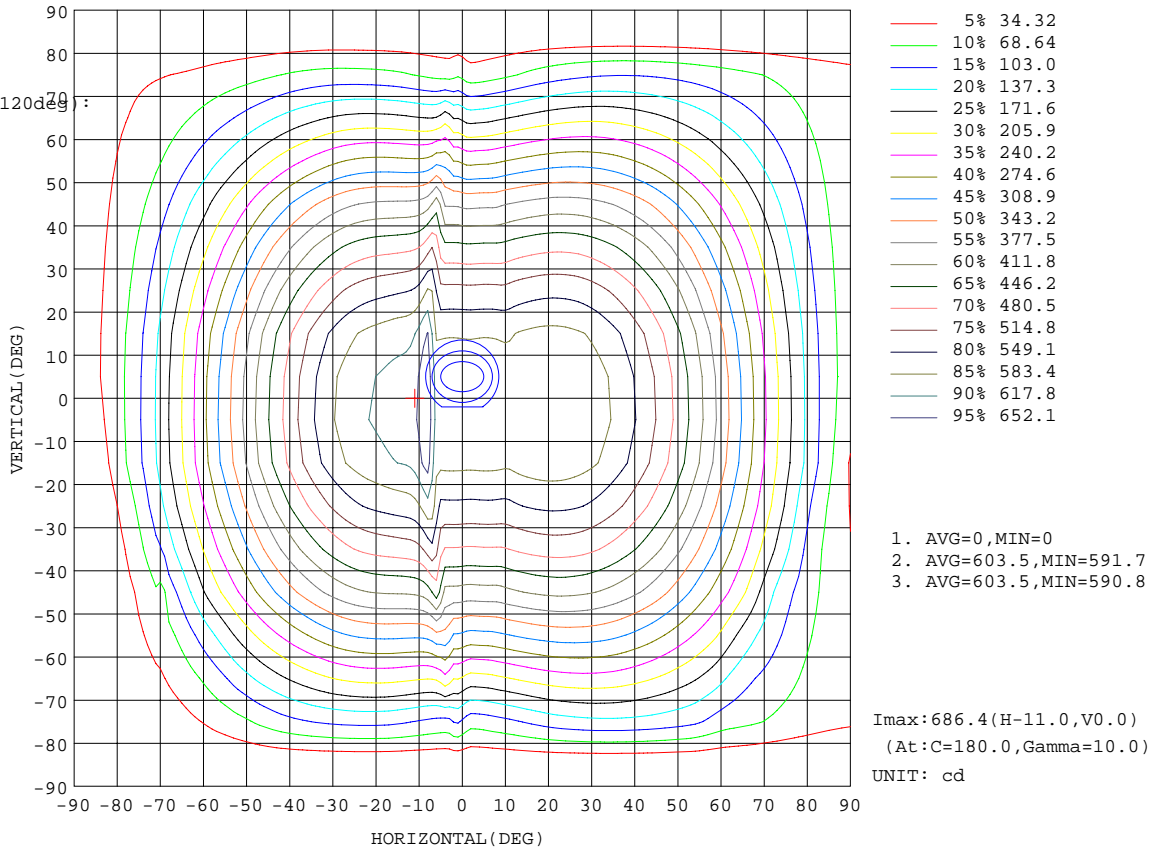
Test:U:219.1V I:1.024A P:116.2W PF:0.5180 Lamp Flux:1871.4lx1 lm		
NAME: GLM-TPM-RGB-R+G+B-100W	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):

1004.3 lm  
%lum = 53.7%  
%lamp = 53.7%

Conical surface Flux(120deg):

1489.3 lm  
%lum = 79.6%  
%lamp = 79.6%

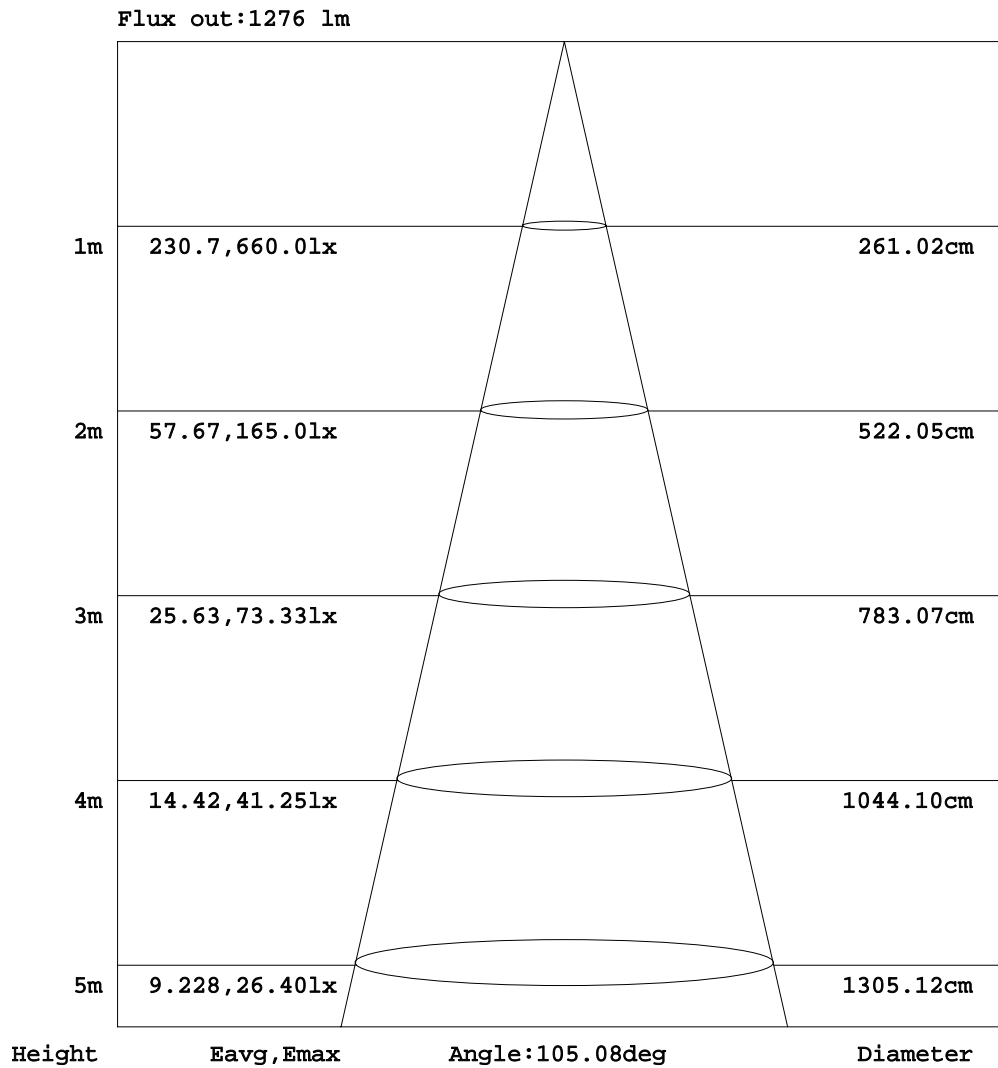


C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2018-08-10

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.290  
Humidity:65.0%  
Test Distance:7.500m [K=1.0000]  
Remarks:

**AAI Figure**

Test:U:219.1V I:1.024A P:116.2W PF:0.5180 Lamp Flux:1871.4lx1 lm		
NAME: GLM-TPM-RGB-R+G+B-100W	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:	PROTECTION ANGLE:



Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

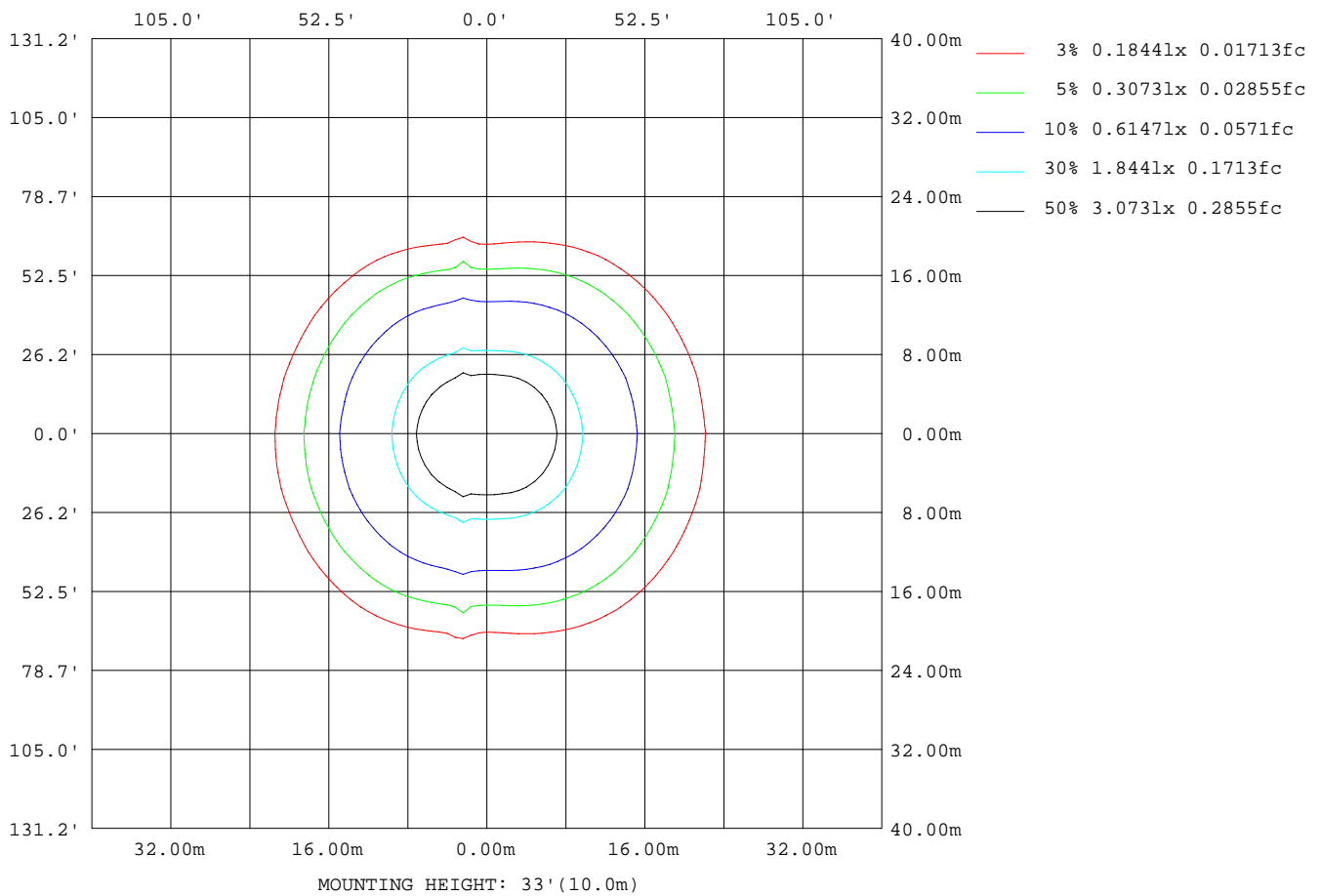
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2018-08-10

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.290  
 Humidity:65.0%  
 Test Distance:7.500m [K=1.0000]  
 Remarks:



**ISOLUX DIAGRAM**

Test:U:219.1V I:1.024A P:116.2W PF:0.5180 Lamp Flux:1871.4lx1 lm		
NAME: GLM-TPM-RGB-R+G+B-100W	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2018-08-10

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.290  
 Humidity:65.0%  
 Test Distance:7.500m [K=1.0000]  
 Remarks:

LED Avg.L Report

Test:U:219.1V I:1.024A P:116.2W PF:0.5180 Lamp Flux:1871.41x1 lm		
NAME: GLM-TPM-RGB-R+G+B-100W	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:	PROTECTION ANGLE:

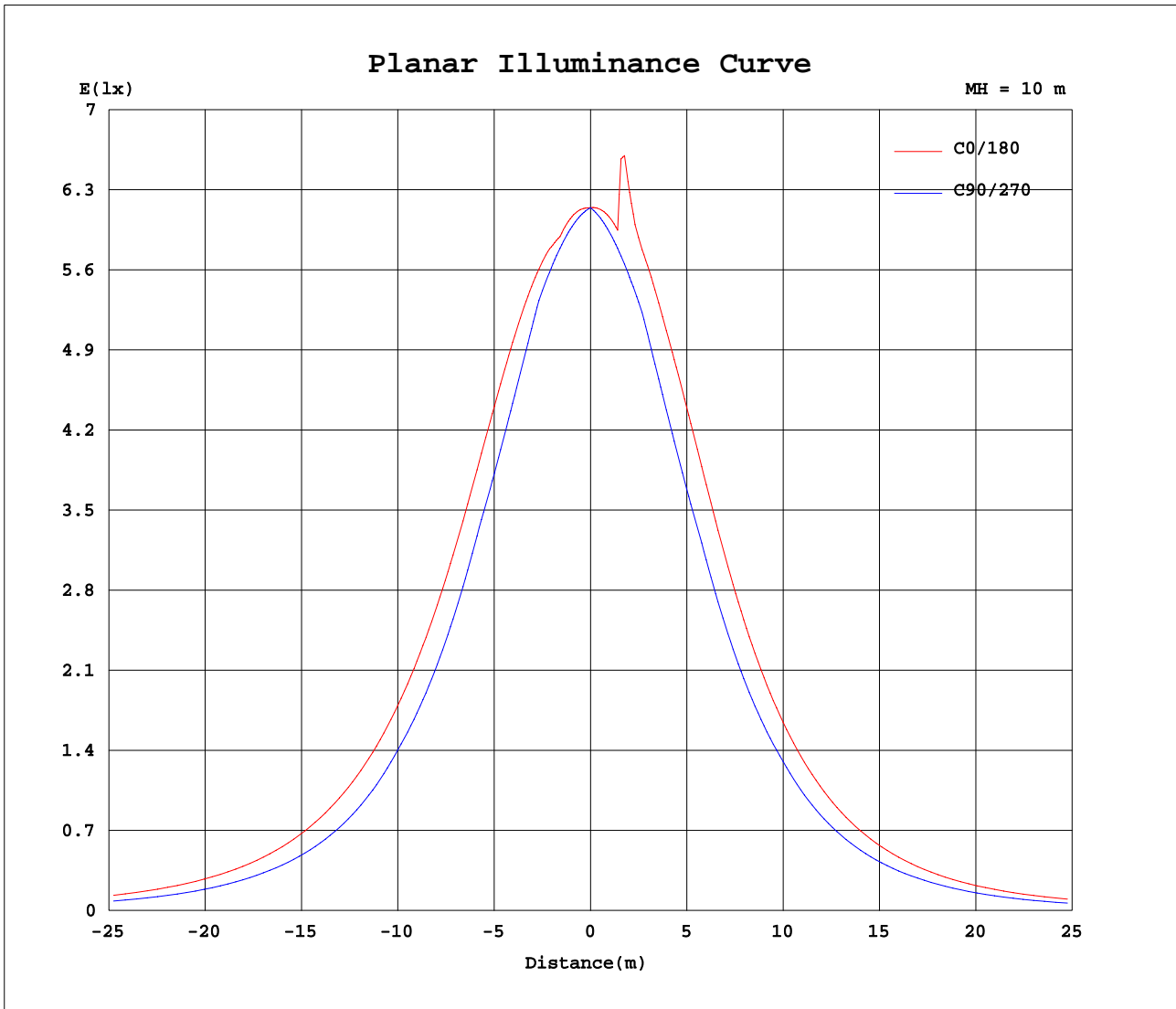
AvgL	cd/m2
L_0~180(65)av	1995
L_0~180(75)av	1799
L_0~180(85)av	2028
L_90~270(65)av	1346
L_90~270(75)av	813
L_90~270(85)av	0
L_45(65)av	1951
L_45(75)av	1772
L_45(85)av	0

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2018-08-10

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.290  
 Humidity:65.0%  
 Test Distance:7.500m [K=1.0000]  
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2018-08-10

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.290  
 Humidity: 65.0%  
 Test Distance: 7.500m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.1V I:1.024A P:116.2W PF:0.5180 Lamp Flux:1871.41x1 lm		
NAME: GLM-TPM-RGB-R+G+B-100W	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd

C( DEG ) \ γ ( DEG )	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	614	614	614	614	614	614	614	614	614	614	614	614	614	614	614	614	614	614	614
5	615	615	614	613	613	612	612	611	611	610	610	609	609	608	608	607	607	607	607
10	613	612	611	609	607	605	604	604	604	603	603	603	602	602	601	601	600	599	599
15	622	620	618	616	614	611	609	606	603	599	596	594	594	594	594	594	593	592	592
20	624	622	619	617	615	612	610	607	604	601	595	587	579	574	572	571	569	567	566
25	618	615	613	611	609	607	605	603	596	588	580	571	563	554	547	546	544	542	541
30	604	601	598	597	596	595	591	584	576	569	561	553	545	536	527	520	519	517	516
35	579	575	573	573	574	571	565	559	554	547	541	533	521	509	498	486	481	478	476
40	546	543	541	543	543	537	533	529	526	521	510	499	487	475	463	451	442	439	437
45	507	503	503	506	502	499	497	496	488	480	471	461	451	439	427	415	403	400	397
50	462	458	459	460	457	457	456	449	443	437	430	422	412	398	384	370	357	350	347
55	410	406	409	408	408	410	404	401	397	393	384	374	363	350	336	323	309	301	297
60	352	349	352	351	355	351	350	350	345	339	332	324	313	301	288	275	261	251	247
65	291	290	291	294	292	293	292	290	288	284	280	273	262	250	236	222	208	196	192
70	230	230	231	230	232	232	233	232	231	228	223	216	207	195	183	168	154	142	137
75	171	170	167	159	163	165	174	175	174	171	166	160	151	141	129	114	99.7	88.0	82.0
80	117	105	100	104	105	108	113	118	118	98.2	75.5	55.8	39.1	25.5	15.1	7.55	2.95	0.66	0.00
85	72.8	59.2	63.0	64.5	57.8	25.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	44.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2018-08-10

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.290  
 Humidity:65.0%  
 Test Distance:7.500m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.1V I:1.024A P:116.2W PF:0.5180 Lamp Flux:1871.41x1 lm		
NAME: GLM-TPM-RGB-R+G+B-100W	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

C(DEC) γ (DEC)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	614	614	614	614	614	614	614	614	614	614	614	614	614	614	614	614	614	614	614
5	607	607	608	608	608	609	609	610	610	610	611	612	612	613	613	614	614	615	614
10	600	600	601	601	602	602	603	603	603	604	617	652	678	681	684	687	689	691	688
15	592	593	594	594	594	594	635	670	664	652	643	637	636	636	637	638	639	641	638
20	568	569	571	572	609	650	635	625	622	622	623	624	624	625	627	628	630	633	629
25	542	544	545	600	610	593	590	594	599	605	610	610	610	611	612	614	617	620	615
30	517	519	551	582	560	559	562	567	572	578	584	590	592	591	591	592	594	597	592
35	479	481	549	522	521	527	535	540	544	548	552	556	561	562	559	558	558	562	556
40	440	462	489	474	479	486	495	504	512	514	514	515	518	522	518	514	514	516	511
45	402	474	433	431	438	446	454	460	465	468	472	470	469	470	472	466	463	465	460
50	354	403	378	383	393	404	411	415	416	417	418	420	417	414	415	412	408	410	404
55	310	332	325	333	343	352	359	364	366	365	363	361	361	356	354	354	348	350	345
60	276	268	273	283	293	300	305	307	308	308	307	302	298	297	293	293	288	288	284
65	223	211	219	230	239	247	251	251	249	247	244	241	237	234	233	230	228	226	224
70	161	155	165	176	184	190	193	193	192	188	183	177	174	171	167	170	171	168	166
75	92.9	99.8	111	122	128	133	136	137	135	131	124	115	107	102	96.9	106	113	115	112
80	0.69	2.95	7.34	14.1	22.8	33.5	45.6	58.4	70.5	75.6	69.9	63.9	56.7	48.8	44.8	43.3	52.6	68.4	65.8
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.50	17.3	21.0	21.4	17.9	35.7	35.1
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.4	0.00

C Range: 0 - 360DEG      γ Range: 0 - 90DEG  
 C Interval: 5.0DEG      γ Interval: 0.5DEG  
 Test Speed: HIGH      Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.290  
 Temperature:25.3DEG      Humidity:65.0%  
 Operators:      Test Distance:7.500m [K=1.0000]  
 Test Date:2018-08-10      Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.1V I:1.024A P:116.2W PF:0.5180 Lamp Flux:1871.41x1 lm		
NAME: GLM-TPM-RGB-R+G+B-100W	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:	PROTECTION ANGLE:

Table--3

UNIT: cd

C( DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	614	614	614	614	614	614	614	614	614	614	614	614	614	614	614	614	614	614	614
5	613	612	611	610	610	609	608	607	607	606	605	605	604	604	604	603	603	603	603
10	685	682	678	675	648	613	599	598	597	596	595	595	594	593	593	592	592	592	592
15	636	634	632	631	631	635	643	654	661	625	584	584	583	582	582	581	580	581	582
20	625	622	619	617	615	613	611	610	612	620	635	595	558	556	554	553	552	553	554
25	611	607	604	602	600	598	591	584	578	573	574	591	582	528	526	525	523	525	527
30	588	585	583	582	578	570	562	555	548	542	538	538	558	530	498	496	495	496	498
35	552	551	552	549	542	536	531	525	518	511	503	496	496	524	458	456	453	455	458
40	509	510	510	504	500	497	494	490	480	470	460	452	447	459	436	415	411	413	416
45	459	462	458	454	453	453	447	442	435	427	418	408	401	401	443	374	368	371	376
50	404	405	401	401	402	397	394	392	388	382	373	362	351	345	369	325	316	320	328
55	346	343	343	344	342	341	341	340	335	329	321	310	299	290	296	278	264	268	278
60	285	281	283	281	282	285	283	280	278	274	268	258	248	237	231	240	212	216	228
65	223	223	221	221	222	223	222	222	220	218	213	205	195	184	175	185	157	162	175
70	164	163	163	163	163	163	164	165	164	162	158	150	141	130	120	123	102	108	121
75	110	109	109	109	109	111	111	112	111	108	102	94.7	86.4	76.5	64.9	55.8	47.2	54.5	66.7
80	64.5	63.5	64.1	65.5	65.1	63.5	61.6	54.0	44.2	34.1	24.4	16.1	9.69	4.95	1.90	0.41	0.00	0.40	1.96
85	35.3	35.7	29.7	13.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2018-08-10

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.290  
 Humidity:65.0%  
 Test Distance:7.500m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.1V I:1.024A P:116.2W PF:0.5180 Lamp Flux:1871.4lx1 lm		
NAME: GLM-TPM-RGB-R+G+B-100W	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:	PROTECTION ANGLE:

Table--4

UNIT: cd

C(DEG)\ γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	614	614	614	614	614	614	614	614	614	614	614	614	614	614	614				
5	604	604	605	605	606	607	607	608	609	610	610	611	612	613	614				
10	593	594	595	595	596	597	598	599	600	601	602	605	607	609	611				
15	582	583	584	584	584	587	592	596	600	603	607	610	613	616	619				
20	556	558	561	567	576	584	591	595	599	602	606	610	613	617	621				
25	528	531	540	549	557	566	575	584	593	596	599	602	606	610	614				
30	500	509	518	527	537	546	554	563	572	581	586	588	591	595	599				
35	464	477	489	501	514	522	531	538	545	553	561	565	566	569	573				
40	427	439	452	465	477	490	501	508	514	519	525	533	535	536	540				
45	389	401	414	426	438	449	459	469	478	482	486	491	498	497	501				
50	341	356	370	384	396	406	414	422	431	439	442	445	450	453	455				
55	292	306	321	334	347	358	368	375	380	386	394	395	397	402	403				
60	241	256	270	283	295	305	313	321	328	330	334	341	340	344	345				
65	189	203	218	231	243	251	257	263	268	273	275	278	283	283	285				
70	135	150	164	176	187	195	201	206	210	213	216	219	221	224	226				
75	81.8	95.8	109	121	131	139	145	150	154	157	158	161	164	166	167				
80	5.33	10.9	19.1	29.9	43.5	59.8	78.6	96.3	101	105	107	109	110	112	114				
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.0	58.0	67.7	69.0	70.0				
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2018-08-10

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.290  
 Humidity:65.0%  
 Test Distance:7.500m [K=1.0000]  
 Remarks: